10th Class 2016

Physics	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Max. Marks: 12

Note: Four possible answers A, B, C. and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- e-mail is abbreviation of:
(a) Emergency mail   (b) Electronic mail √
(c) Urgent mail   (d) None of these

2- In which process, sun gains energy:
(a) Nuclear fission   (b) Nuclear fusion √
(c) Burning of gases   (d) Chemical reaction

3- The equation of Not Operation is:
(a) $X = A.B$ (b) $X = A + B$
(c) $X = A - B$ (d) $X = \bar{A}$ √

4- Frequency is equal to:
(a) $f = \dfrac{1}{T}$ √   (b) $f = \dfrac{l}{g}$

(c) $f = 2\pi\sqrt{\dfrac{l}{g}}$ (d) $f = k\,x$

5- The refractive index of ice is:
(a) 1.00   (b) 1.33
(c) 1.31 √   (d) 2.42

6- The unit of electric intensity is:
(a) Watt   (b) Ns^{-1}
(c) NC^{-1} √   (d) Nm

7- Transformer is used for:
(a) Increase voltage √ (b) Increase resistance
(c) Both a & b   (d) None of these

8-   One mega byte is equal to:

(a) 1024 kB ✓   (b) 1035 kB

(c) 1044 kB   (d) 1054 kB

9-   The spring's constant is:

(a) $k = \dfrac{-F}{x}$ ✓   (b) $F = ma$

(c) $w = mg$ (d) $k = -\dfrac{x}{m}$

10-   Mathematical form of current is:

(a) $I = \dfrac{t}{Q}$ (b) $I = \dfrac{Q}{t}$ ✓

(c) $I = QR$ (d) $I = VR$

11-   The electroscope is an instrument which is used for:

(a) Detecting charge ✓   (b) Detecting current

(c) Detecting radiations   (d) None of these

12-   The speed of sound in air at 0°C is:

(a) 317 ms⁻¹   (b) 346 ms⁻¹

(c) 386 ms⁻¹   (d) 331 ms⁻¹ ✓